ABSTRACT OF THE DISCLOSURE

A feature amount converting unit performs a color conversion of an input data. A history storage unit stores history information about a measurement of a color chart including conversion values of measured values of the color chart. An arithmetic unit compares the history information with new input information for measurement of the color chart, and determines the number of color patches based on a result of the comparison. A profile updating unit updates a printer profile based on a determined color chart data, and stores the printer profile in the history storage unit.